Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Tania C. Sorrell et al.	
		Filing Date February 21, 2002	Group

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAC	1	Bax, A., and D. Davis. (1986). MLEV-17-based two dimensional homonuclear magnetization transfer spectroscopy. J. Magn.Reson. 65:355-360; Exhibit 2
	3	Braun, S., H.-O. Kalinowski, and S. Berger (1998). 150 and More Basic NMR Experiments. Wiley-VCH, New York; Exhibit 3
	4	Cohen, J. (Oct., 1968). Weighted Kappa: Nominal scale agreement with provision for scaled disagreement or partial credit. Psychol Bull. Vol 70, No. 4 pp 213-218; Exhibit 4
	5	Delpassand, E.S., M. V. Chari, C. E. Stager, J.D. Morrisett, J.J. Ford, and M. Romazi. Rapid identification of common human pathogens by high-resolution proton magnetic resonance spectroscopy. J. Clin. Microbiol. 33(5):1258-62 (May, 1995) ; Exhibit 5
LAC	6	Gadian, D. G. (1995). NMR and its Applications to Living Systems. Oxford Unversity Press, Oxford; Exhibit 6

EXAMINER *Lori A. Clow*	DATE CONSIDERED *September 23, 2004*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

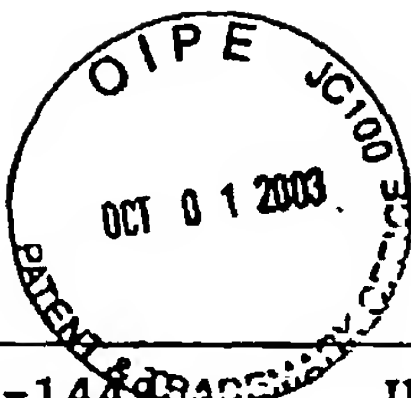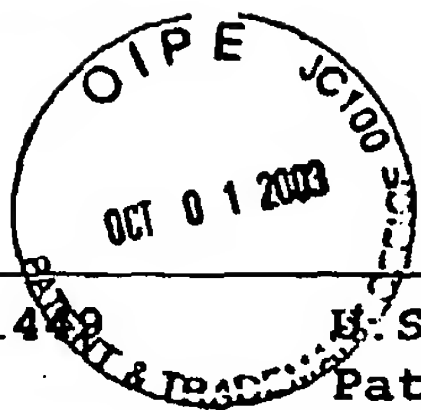OIPE JC100 OCT 0 1 2003 PATENT

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Applicant	
Tania C. Sorrell et al.	
Filing Date February 21, 2002	Group

			OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
LAC		7	Goodacre, R., J. K. Heald, and D. B. Kell. (1999). Characterisation of intact microorganisms using electrosray ionisation mass spectrometry. FEMS Microbiol. Lett. 176(1):17-24; Exhibit 7
		8	Goodacre, R., E. M. Timmins, P.J. Rooney, J.J. Rowland, and D.B. Kell. (1996). Rapid Identification of Streptococcus and Enterococcus Species Using Diffuse Reflectance-Absorbance Fourier Transform Infrared Spectroscopy and Artificial Neural Networks. FEMS Microbiol. Lett. 140(2-3):233-239; Exhibit 8
		9	Hahn, P., I. C. Smith, L. Leboldus, C. Littman, R.L. Somorjai, and T. Bezabeth. (1997). The classification of benign and malignant human prostate tissue by multivariate analysis of ^{1}H magnetic resonance spectra. Cancer Res. 57(16):3398-401; Exhibit 9
		10	Hardie, J. M., and R. A. Whiley. (1997). Classification and Overview of the Genera Streptococcus and Enterococcus. J. Appl. Microbiol. 83(Suppl S):S 1-S 11; Exhibit 10
		11	Kummerle, M., S. Scherer, and H. Seiler. (1998). Rapid and Reliable Identification of Food Borne Yeasts By Fourier-Transform Infrared Spectroscopy. Appl. Environ. Microbiol. 64(6):2207-2214; Exhibit 11
		13	Mounford, C., R. Somorjai, L. Gluch, P. Malycha, C. Lean, P. Russell, M. Bilous, B. Barraclough, David Gillett, U. Himmelreich, B. Dolenko, A. Nikulin, and I. Smith. (2001). MRS on breast fine needle aspirate biopsy determines pathology, vascularization and nodal involvement. Br. J. Surg. 88, 1234-1240; Exhibit 12
		14	Naumann, D., V. Fijala, H. Labischinski, and G. Giebrecht. (1998). The rapid differetiation and identification of pathogenic bacteria using Fourier transform infrared spectroscopy. Journal of Molecular Structure. 174:165-170; Exhibit 13
		17	Russell, P., C. Lean, L. Delbridge, G. May, S. Dowd, and C. Mountford, (1994). Proton magnetic resonance and human thyroid neoplasia. I: Discrimination between benign and malignant neoplasms. Am. J. Med. 96:383-388; Exhibit 14
LAC		18	Russell, P., C. Lean, L. Delbridge, G. May, S. Dowd, and C. Mountford, (1994). Proton magnetic resonance and human thyroid neoplasia. I: Discrimination between benign and malignant neoplasms. Am. J. Med. 96:383-388; Exhibit 15

EXAMINER _Lou A. Clau_	DATE CONSIDERED _September 23, 2004_

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Tania C. Sorrell et al.	
		Filing Date **February 21, 2002**	Group

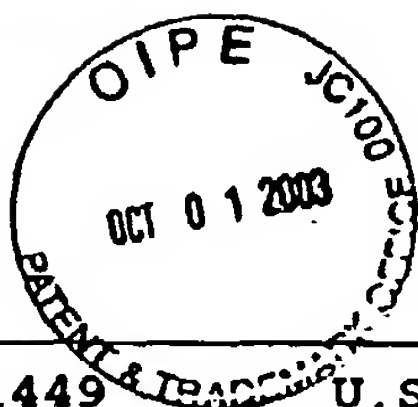|		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
LAC	19	Somorjai, R., B. Dolenko, A. Nikulin, P. Nickerson, D. Rush, A. Shaw, M. Glogowski, J. Rendell, and R. Deslauriers. (2000). Distinguishing Normal from Rejecting Renal Allografts: Application of a Three-Stage Classification Strategy to MR and IR of Urine. Vibrational Spectroscopy 28(1), 97-102 (2002); Exhibit 16
	20	Somorjai, R. L., B. Dolenko, A. K. Nikulin, N. Pizzi, G. Scarth, P. Zhilkin, W. Halliday, D. Fewer, N. Hill, I. Ross, M. West, I. C. P. Smith, S. M. Donnelly, A.C. Kuesel, and K.M. Briere. (1996). Classification of ^{1}H MR spectra of human brain neoplasms: the influence of preprocessing and computerized consensus diagnosis on classification accuracy. J. Magn. Reson. Imaging. 6(3):437-44; Exhibit 17
	21	Somorjai, R. L., A. E. Nikulin, N. Pizzi, D. Jackson, G. Scarth, B. Dolenko, H. Gordon, P. Russell, C.L. Lean, L. Delbridge, (1995). Computerized consensus diagnosis: a classification strategy for the robust analysis of MR spectra. I. Application to ^{1}H spectra of thyroid neoplasms. Magn. Reson. Med. 33(2):257-63; Exhibit 18
	22	Stager, C. E., and J. R. Davis. (1992). Automated systems for identification of microorganisms. Clin. Microbiol. Rev. 5(3):302-27; Exhibit 19
	23	Wallace, J. C., G. P. Raaphorst, R. L. Somorjai, C. E. Ng, M. Fung Kee Fung, M. Senterman, and I. C. P. Smith. (1997). Classification of ^{1}H MR spectra of biopsies from untreated and recurrent ovarian cancer using linear discriminant analysis. Magn Reson. Med. 38(4):569-76; Exhibit 20
	24	Willker, W., D. Leibfritz, R. Kerssebaum, and W. Bermel. (1993). Gradient selection in inverse heteronuclear correlation spectroscopy. Magn. Reson. Chem. 31:287-292; Exhibit 21
	25	Mitchell TG, Perfect JR. Crytococcosis in the era of AIDS-100 years after the discovery of Cryptococcus neoformans. Clin Micro Rev (1995); 8:515-548; Exhibit 22
LAC	26	Speed B, Dunt D. Clinical and host differences between infections with the two varieties of Cryptococcus neoformans. Clin Infect Dis (1995); 21:28-34; Exhibit 23

EXAMINER *Loui d. Clow*	DATE CONSIDERED *September 23, 2004*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

OIPE JC100
OCT 0 1 2003
PATENT & TRADEMARK

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant Tania C. Sorrell et al.	
	Filing Date February 21, 2002	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAC	27	Mitchell DH, Sorrell TC, Allworth AM, Health CH, McGregor AR, Papanaoum K, Richards MJ, Gottlieb T. Crytoccocal disease of the CNS in immunocompetent hosts: influence of crytococccal variety on clinical manifestations and outcome. Clin. Infect. Dis (1995); 20:611-616; Exhibit 24
LAC	28	Chen SCA., Sorrell TC, Nimmo G, Speed B, Currie B, Ellis D, Marriott D, Pfeiffer T, Parr D, Byth K. Epidemiology, and host and variety-dependent characteristics of infection due to Cryptococcus neoformans, in Australia and New Zealand. Clin. Infect. Dis. (2000); 31:499-508; Exhibit 25
	29	Fujita NK, Reynard M, Sapico FL, Guze LB, Edwards JE Jr. Crytococcal intracerebral mass lesions: the role of computed tomography and nonsurgical management. Ann Intern Med (1981); 94:382-388; Exhibit 26
LAC	31	Negendank W. Studies of human tumors by MRS: a review. NMR Biomed (1992); 5:303-324; Exhibit 27
LAC	32	Remy C, Grand S, Lai ES, Belle V, Hoffmann D, Berger F, Ziegler A, Le Bas JF, Benabid AL, et al. 1H MRS of human brain abscesses in vivo an in vitro. Magn Reson Med (1995); 34:508-514; Exhibit 28
LAC	33	Hagberg G. From magnetic resonance spectroscopy to classification of tumor-a review of pattern recognition methods. NMR Biomed (1998); 11:148-156; Exhibit 29
LAC	34	Dev R, Gupta RK, Poptani H, Roy R, Sharma S, Hasain M. Role of in vivo proton magnetic resonance spectroscopy in the diagnosis and management of brain abscesses. Neurosurgery (1998); 2:37-42; Exhibit 30
LAC	35	Kim SH, Chang KH, Song IC, Han MH, Kim, HC, Kang, HS, Han MC. Brain abscess and brain tumor-discrimination with in vivo H-1 MR spectroscopy. Radiology (1997); 204:239-245; Exhibit 31
LAC	36	Grand Spassaro G, Ziegler A, Esteve F, Boujet C, Hoffman D, Rubin C, Segebarty C, Decorps M, LeBas J-F, Remy C. Necrotic tumor versus brain abscess: importance to amino acids detected at ^1H MR spectroscopy-initial results. Radiology (1999);213:785-793; Exhibit 32
LAC	37	Danielsen ER, Ross BD. Magnetic Resonance Spectroscopy Diagnosis of Neurological Diseases. New York: Marcel Dekker Inc., pp 27-43, (1998); Exhibit 33

EXAMINER Lou A. Clow	DATE CONSIDERED September 23, 2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Tania C. Sorrell et al.	
		Filing Date February 21, 2002	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	38	Saunders DE, Howe FA, van der Boogaart A, McLean MA, Griffiths JR, Brown MM. Continuing ischemic damage after acute middle cerebral artery infarction in humans demonstrated by short-echo proton spectroscopy. Stroke (1995); 26, 1007-1013; (Exhibit 34)
	39	Remy C, Arus C, Ziegler A, Lai ES, Moreno A, Le Fur Y, Decorps M. In vivo, ex vivo, and in vitro one-and two dimensional nuclear magnetic resonance spectroscopy of an intracerebral glioma in rat brain: assignment of resonances. J. Neurochem. (1994); 62:166-179; Exhibit 35
	40	Delikatny EJ, Russell P, Hunter JC, Hancock R, Atkinson KH, Van Haaften-Day C, Mountford CE. Proton MR and human cervical neoplasia: ex vivo spectroscopy allows distinction of invasive carcinoma of the cervix from carcinoma in situ and other preinvasive lesions. Radiology (1993); 188:791-796; Exhibit 36
	41	Makinnon WB, Barry PA, Malycha PL, Gillett DJ, Russell P, Lean CL, Doran ST, Barraclough BH, Bilous M, Mountford CE. Fine-needle biopsy specimens of benign breast lesions distinguished from invasive cancer ex vivo with proton MR spectroscopy. Radiology (1997); 204:661-666; Exhibit 37
	42	Casadevall A, Perfect JE. In Cryptococcus neoformans. Washington DC, American Society for Microbiology Press, Chapter 4, pp 71-18 (1998) ; Exhibit 38
	43	Cherniak R, Sundstrom JB. Polysaccharide antigens of the capsule of Crytococcus neoformans. Infect. Immun (1994); 62:1507-1512; Exhibit 39
	44	Bubb WA, Wright LC, Cagney M, Santangelo RT, Sorrell TC, Kuchel PW. Heteronuclear NMR studies of metabolites produced by Cryptococcus neoformans in culture media: Identification of possible virulence factors. Magn Reson Med (1999); 42:442-453; Exhibit 40
	49	Lean CL, Mackinnon WB, Mountford CE. Fucose in 1H COSY spectra of plasma membrane fragments shed from human malignant colorectal cells. Magn Reson Med (1991); 20:306-311; Exhibit 41
LAC	50	Palmer III AG, Cavanagh J, Wright PE, Rance M. Sensitivity improvement in proton-detected two-dimensional heteronuclear correlation NMR spectroscopy. J Magn Reson (1991); 93:151-170; Exhibit 42

EXAMINER *Lou A. Clow*	DATE CONSIDERED *September 23, 2004*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

OCT 0 3 2003

TC 1700

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 62620/PJP	Serial No. 10/081,838
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Tania C. Sorrell et al.	
		Filing Date February 21, 2002	Group

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
LAC	51	Lean CL, Mackinnon WB, Delikatny EJ, Whitehead RH, Mountford CE. Cell-surface fucosylation and magnetic resonance spectroscopy characterization of human malignant colorectal cells. Biochemistry (1992); 31:11095-11105; Exhibit 43	
	52	Kalinowski HO, Berger S, Braun S. ^{13}C-NMR-Spektroskopie. Stuttgart: Georg Thieme Verlag pp 206-402 (1984); Exhibit 44	
	53	Barton JK, Den Hollander JA, Hopfield JJ, Shulman RG. 13C nuclear magnetic resonance study if trehalose mobilization in yeast spores. J. Bacteriol (1982); 151:177-185; Exhibit 45	
	54	Wiemken A. Trehalose in yeast, stress protectant rather than reserve carbohydrate. Antonie Leeuwenhoek (1990); 58:209-217; Exhibit 46	
	57	De Virgillo C, Hottiger T, Domingnez J, Boller T, Wiemken A. The role of trehalose synthesis for the acquisition of thermotolerance in yeast. I. Genetic evidence that trehalose is a thermoprotectant. Eur J Biochem (1994); 219:179-186; Exhibit 47	
LAC	59	Ross BD, Merkle H, Hendrich K, Staewen R S, Garwood M. Spatially localized in vivo 1H magnetic resonance spectroscopy of an intracerebral rat glioma. Magn Reson Med (1992); 23:96-108; Exhibit 48	
	60	Thevelein JM. Regulation of trehalose metabolism and its relevance to cell growth and function. 395-420. In Brambl R, Marzluf, GA, eds. The Mycota. Vol 3. Berlin: Springer Verlag Chapter 19, pp 395-420 (1996); Exhibit 49	
LAC	61	Hengge-Aronis R, Klein W, Lange R, Rimmele M, Boos W. Trehalose synthesis genes are controlled by the putative sigma factor encoded by rpoS and are involved in stationary-phase thermotolerance in Escherichia coli. J. Bacteriol (1991); 173:7918-7924; Exhibit 50	

EXAMINER *Lori A. Clow*	DATE CONSIDERED *September 23, 2004*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.